OH

AEP Generation Resources, Inc.
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378

February 27, 2015

U. S. EPA Region V
Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **First Anniversary Follow-up Report**
AEP Generation Resources - Conesville Plant

Dear Sir/Madam:

This letter is submitted as the First Anniversary Follow-up Report to the notifications made on January 29, 2014, and March 26, 2014, regarding a change in the normal range of continuous release of Sulfuric Acid Aerosol. Sulfuric Acid Aerosol is a reportable substance, released from Units 5 and 6 at our Conesville Power Plant (CR-ERNS Nos. 522822 and 522823). The January 29, 2014, notification of change revised the bounds of the normal range of emissions for Sulfuric Acid from the Conesville Plant Units 5 and 6. The March 26, 2014 notification again revised the bounds of the normal range of emissions for Sulfuric Acid Aerosol from the Conesville Plant Units 5 and 6.

This report serves at the First Anniversary Follow-up Report for both of the notifications occurring in 2014. The First Anniversary Follow-up Report is a release information update in which no changes are being made to the detailed information previously submitted on March 26, 2014. Therefore, we are only revising the signed Section I to indicate the type of report.

These sulfuric acid aerosol emissions are routine in nature, anticipated, intermittent and incidental to the normal operation of the facility. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with operating characteristics of the equipment, actual hours of operation, fuel quality and other factors, but the released quantity has remained within the newly established ranges as previously reported.

Please find enclosed an original signed "First Anniversary Follow-up Report" (Section I) for the Conesville Plant.

If you have any questions concerning this notice, please do not hesitate to contact Beth Mullen by telephone at (740)-829-4094 or by e-mail at bamullen2@aepes.com.

Sincerely,

Michael J. Zwick
Plant Manager
AEP Generation Resources, Conesville Plant

cc:
all w/att
Rob McMasters
Jeff Beattie

Jessica Kuenzli	Ohio EPA - SEDO
Beth Mullen	Conesville Plant
Rex Green	Conesville Plant
Mark Runyon	AEP – 1RP
John Hendricks	AEP – 1RP
Janet Henry	AEP – 1RP

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☒ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

2/27/2015
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

____ 0 - 50 persons	____ 101 - 500 persons	____ more than 1000 persons
____ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

AEP Generation Resources, Inc.
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378

May 4, 2016

Ohio EPA, DERR - ER
Lazarus Government Center
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

ATTN: ER Records Mgmt.
SERC Report

RE: Continuous Release Notification
AEP Generation Resources Inc. – Conesville Plant

Dear Sir/Madam:

On May 2, 2016, Mr. Mark Andrews of Conesville Plant notified the Ohio EPA Emergency Response Section (SERC), Local Emergency Planning Commission (LEPC) and the National Response Center (NRC) of a statistically significant increase in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 4 at the Conesville Power Plant. The call to the NRC was assigned incident report number 1146740 for May 2, 2016 at 15:04, and the call to the SERC was assigned incident report number 1605-16-0821 at 15:08.

Following these notifications, we conducted a review of the release data and our records and determined that no increase above the previously reported normal range of Sulfuric Acid Aerosol occurred. Consequently, no written follow-up report is necessary.

If you have any questions concerning this matter, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely,

Michael J. Zwick
Plant Manager
Conesville Plant

AEP Generator Resources, Inc.
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378

March 26, 2014

U. S. EPA Region V
Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 1077630
AEP Generation Resources - Conesville Plant

Dear Sir/Madam:

On March 25, 2014, Mr. Miles Kimball of AEP Generation Resources Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522822 and 522823). The call to the NRC was assigned incident report number 1077630, and the call to the SERC was assigned case number 1403-16-0500. The increase in emissions resulted from the high level of generation by these units due to system demand and the high fuel sulfur content as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was **16,757 pounds** or 488 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the other, previously reported upper bounds are being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Rex Green by telephone at (740)-829-4065 or by e-mail at rwgreen1@aepes.com.

Sincerely,

Michael J. Zwick
Plant Manager – Conesville Plant
AEP Generation Resources, Inc.

cc: Rex Green
Mark V. Runyon
J.J. Henry
James Van Horn
Jeff Beattie
Dan Canter

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

3/26/2014
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg 040	Min 11	Sec 08	**Vessel LORAN Coordinates**	
Longitude	Deg 081	Min 52	Sec 48		

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

____ 0 - 50 persons	____ 101 - 500 persons	____ more than 1000 persons
____ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand and fuel sulfur.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

* *Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Concsville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ **AIR** X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a stack, indicate stack height: 800 feet or meters; OR
- If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____, lake ____, or other _____)

- If the release affects any surface water body, give the name of the water body.

  _____

- If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 33.85' feet or meters
  Gas Exit Velocity 78.4-fps feet/second or meters/second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5 and Unit 6	7664939	16,757 lb.	766 lb.	365	328,103 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9,128 lb
Units 5 and 6	16,757 lb

TOTAL - SSI trigger for this hazardous substance release* : 25,885 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

AEP Generator Resources, Inc.
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378

January 29, 2014

U. S. EPA Region V
Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 1072058
AEP Generation Resources - Conesville Plant

Dear Sir/Madam:

On January 24, 2014, Mr. Mark Grier of AEP Generation Resources Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522822 and 522823). The call to the NRC was assigned incident report number 1072058, and the call to the SERC was assigned case number 1401-16-0150. The increase in emissions resulted from the high level of generation by these units due to system demand and the high fuel sulfur content as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was **16,269 pounds** or 363 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the other, previously reported upper bounds are being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Rex Green by telephone at (740)-829-4065 or by e-mail at rwgreen1@aepes.com.

Sincerely,

Michael J. Zwick
Plant Manager – Conesville Plant
AEP Generation Resources, Inc.

cc: Rex Green
Mark V. Runyon
J.J. Henry
James Van Horn
Jeff Beattie
Dan Canter

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

1/29/2014
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick

Position: Plant Manager

Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton

City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent X .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand and fuel sulfur.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	_____ Other (explain)

* *Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Concsville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ **AIR** X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a stack, indicate stack height: 800 feet or meters; OR
- If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____, lake ____, or other _____)

- If the release affects any surface water body, give the name of the water body.

  _____

- If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 33.85' feet or meters
  Gas Exit Velocity 78.4-f/s feet/second or meters second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5 and Unit 6	7664939	16,269 lb.	766 lb.	365	328,103 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9,128 lb
Units 5 and 6	16,269 lb

TOTAL - SSI trigger for this hazardous substance release* : 25,397 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

ENVIRONMENTAL PROTECTION AGENCY
EMERGENCY RESPONSE NOTIFICATION SYSTEM
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***

ERNS # 8025496 IRIS/NRC # 1053294

INCIDENT DESCRIPTION

*Report taken by: CIV NYDIA RAWLS at 07:40 on 10-JUL-13

Incident Type: FIXED
Incident Cause: OTHER
Affected Area:
The incident occurred on 10-JUL-13 at 00:00 local time.
Affected Medium: AIR ATMOSPHERE

REPORTING PARTY

Name: REX GREEN
Organization: OHIO POWER
Address: 47201 COUNTY ROAD 273
CONESVILLE, OH 43811

PRIMARY Phone: (740)8294065

INCIDENT LOCATION

47201 COUNTY ROAD 273 County: COSHOCTON

City: CONESVILLE State: OH Zip: 43811

RELEASED MATERIAL(S)

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As: SULFURIC ACID FUMES
Qty Released: 14066 POUND(S)

DESCRIPTION OF INCIDENT

CALLER STATED SULFURIC ACID FUMES RELEASED FROM STACKS 5 & 6 DUE TO CONTINUOUS EMISSION TO THE AIR.

SENSITIVE INFORMATION

INCIDENT DETAILS

Package: N/A
Building ID:
Type of Fixed Object: POWER PLANT
Power Generating Facility: YES
Generating Capacity:
Type of Fuel:
NPDES:
NPDES Compliance: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES:	NO	Hospitalized:	Empl/Crew:	Passenger:
FATALITIES:	NO	Empl/Crew:	Passenger:	Occupant:
EVACUATIONS:	NO	Who Evacuated:	Radius/Area:	

Damages: NO

Closure Type		Description of Closure	Hours Closed	Direction of Closure
Air:	N			
Road:	N			Ma
Waterway:	N			
Track:	N			

Passengers Transferred: NO

Environmental Impact: UNKNOWN
Media Interest: UNKNOWN Community Impact due to Material:

REPORTING PARTY

Type of Organization: PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

Name: REX GREEN
Organization: OHIO POWER
Address: 47201 COUNTY ROAD 273
CONESVILLE, OH 43811
PRIMARY Phone: (740)8294065
Type of Organization: PUBLIC UTILITY

REMEDIAL ACTIONS

MEGAWATS WENT DOWN ON LOAD AT 2300 PM.
Release Secured: NO
Release Rate:
Estimated Release Duration: 24 HOUR

WEATHER

Weather: RAINY, °F

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local:
State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

ATLANTIC STRIKE TEAM (MAIN OFFICE)
10-JUL-13 07:48 (609)7240008
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
10-JUL-13 07:48 (202)3661863
U.S. EPA V (MAIN OFFICE)
10-JUL-13 07:49 (312)3532318 BENNING
FBI CLEVELAND FIELD OFC (MAIN OFFICE)
10-JUL-13 07:48 (216)5221400
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
10-JUL-13 07:48 (202)2829201
NOAA RPTS FOR OH (MAIN OFFICE)
10-JUL-13 07:48 (206)5264911
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)
10-JUL-13 07:48 (202)2671136
OHIO DEPARTMENT OF HEALTH (OHDOH)
10-JUL-13 07:48 (614)7528451
OH STRATEGIC ANALYSIS AND INFO CTR (OHIO COMMAND CENTER)
10-JUL-13 07:48 (614)3014654
CINCINNATI REG. TERR. EARLY WARNING (MAIN OFFICE)
10-JUL-13 07:48 (513)
OH EPA ATTN: DUTY OFFICER (MAIN OFFICE)
10-JUL-13 07:48 (614)2240946
OH EPA ATTN: DUTY OFFICER (SOUTHEAST DISTRICT OFFICE)
10-JUL-13 07:48 (740)3805251

ADDITIONAL INFORMATION

CALLER WILL MAKE OTHER NOTIFICATIONS NEXT.

RESPONSE INFORMATION

*** END INCIDENT REPORT # 1053294 ***

Report any problems or Fax number changes by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

STATE ID
1105-16-1609

DATE
5/11/2011

COUNTY CODE
16

SPILL NUMBER
1609

PRODUCT NAME
AEROSOL SULPHURIC ACID

AMOUNT **UNIT**
UNK

CITY
CONESVILLE

SPILL LOCATION
CR 273 NEAR SR 16

City/TWP
CONESVILLE

Address
CR 273 NEAR SR 16

Caller
MARK GRIER

PRP
AEP

AEP OHIO
A unit of American Electric Power

AEP - Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378
http://www.aep.com

July 16, 2013

State Emergency Response Commission
c/o Ohio EPA
Lazarus Government Center
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

RE: Continuous Release Notification
Ohio Power Company – Conesville Plant

Dear Sir/Madam:

On July 10, 2013, Mr. Rex Green of Conesville Plant notified the State Emergency Response Center (SERC) and the National Response Center (NRC) of a statistically significant increase in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at the Conesville Power Plant. The call to the NRC was assigned incident report number 1053294 for July 10, 2013 at 0742, and the call to the SERC was assigned incident report number 1307-16-1533.

Following these notifications, we conducted a review of the release data and plant records determining that no increase above the previously reported normal range of Sulfuric Acid Aerosol occurred. Consequently, no written follow-up report is necessary.

If you have any questions concerning this matter, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely,

Michael J. Zwick
Conesville Plant Manager

Enclosure

cc: U. S. EPA Region V
Superfund Division
77 W. Jackson Blvd.
Mail Code: S-6J
Chicago, IL 60604
Attention: Mr. Richard Karl, Director

Ohio Environmental Protection Agency
Attn: Dan Canter
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

bc: R.W. Green - Conesville Plant
J. J. Henry - Legal
J.C. Hendricks - ESD
M. V. Runyon - ESD

AEP OHIO
A unit of American Electric Power

AEP - Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378
http://www.aep.com

July 12, 2013

U. S. EPA Region V
Superfund Division
77 W. Jackson Blvd.
Mail Code: S-6J
Chicago, IL 60604
Attention: Mr. Richard Karl, Director

RE: Unit Shutdown Notification - CORRECTION
Ohio Power Company – Conesville Plant

Dear Mr. Karl:

On April 13, 2013, we provided updated information to reflect the permanent shutdown of Conesville Plant Unit 3. This information included revised EPCRA/CERCLA Continuous Release forms.

We recently discovered that a transcription error was made in revising one of the EPCRA/CERCLA forms. The error was in regard to Units 5 and 6 information, and not Unit 3 which was the sole reason for the updated information.

Enclosed are the revised continuous release notification forms for Conesville Power Plant. The only revision is to Section III: Substance Information for sulfuric acid. The other forms are unchanged but included for your convenience.

If you have any questions concerning this notice, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely,

Michael J. Zwick
Conesville Plant Manager

Enclosure

cc: State Emergency Response Commission
c/o Ohio EPA
Lazarus Government Center
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

Ohio Environmental Protection Agency
Attn: Dan Canter
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

bc: R.W. Green – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/M. V. Runyon – ESD

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

7/18/2013
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

- ___ 0 - 50 persons
- ___ 51 - 100 persons
- ___ 101 - 500 persons
- X 501 - 1000 persons
- ___ more than 1000 persons

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Permanently Shutdown

1. Indicate whether the release from this source is either:

continuous without interruption **OR** routine, anticipated, intermittent

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 3 permanently shut down as of January 1, 2013.

3. Identify below how you established the pattern of release and calculated release estimates.

____ Past release data	____ Knowledge of the facility/vessel's operations and release history	____ Engineering estimate
____ AP-42	____ Best professional judgment	____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Name of Source: Concsville Unit 3 - Permanently Shutdown

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR ____ (stack ____ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: ____ feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Permanently Shutdown

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen Oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	114,041 lb
Units 5 and 6	128,729 lb

TOTAL - SSI trigger for this hazardous substance release*: 242,770 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide NO2

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	6,008 lb
Units 5 and 6	6,775 lb

TOTAL - SSI trigger for this hazardous substance release*: 12,783 lb.

* *This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	10,031 lb
Units 5 and 6	12,781 lb

TOTAL - SSI trigger for this hazardous substance release* : 22,812 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTAN E INFORMA O

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal ge of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	1,024 lb
Units 5 and 6	1,305 lb

TOTAL - SSI trigger for this hazardous substance release*: 2,329 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9,128
Unit 5 and 6	15,906 lb

TOTAL - SSI trigger for this hazardous substance release* : 25,034 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	2.2 lb
Units 5 and 6	2.2 lb

TOTAL - SSI trigger for this hazardous substance release*: 4.4 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	19.9 lb
Units 5 and 6	25.4 lb

TOTAL - SSI trigger for this hazardous substance release*: 45.3 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium arsenate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9.6 lb
Units 5 and 6	8.6 lb

TOTAL - SSI trigger for this hazardous substance release*: 18.2 lb

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	15.9 lb
Units 5 and 6	19.5 lb

TOTAL - SSI trigger for this hazardous substance release*: 35.4 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

AEP OHIO
A unit of American Electric Power

AEP - Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
740.829.2378
http://www.aep.com

April 30, 2013

U. S. EPA Region V
Superfund Division
77 W. Jackson Blvd.
Mail Code: S-6J
Chicago, IL 60604
Attention: Mr. Richard Karl, Director

RE: Unit Shutdown Notification
Ohio Power Company – Conesville Plant

Dear Mr. Karl:

The Ohio Power Company is providing updated information in the enclosed EPCRA/CERCLA Continuous Release forms for a change in status of the operating units at our Conesville Power Plant.

We have previously reported that the Conesville Power Plant consists of two decommissioned units and four operating electric steam generators. Units 1 and 2 have been permanently out of service for several years. However, as of January 1, 2013, Unit 3 (CR ERNS No. 522820) has also been permanently shut down. Units 4, 5 and 6 continue to operate and no changes are being made to the specific forms submitted for those units.

Enclosed are the revised continuous release notification forms for Conesville Power Plant. These revised forms include notations regarding the status of Conesville Unit 3 as being shut down in Section I – General Information and Section II – Source Information. The statistically significant increase total for the facility has been adjusted by removing the previously reported amounts that would have been released through the Conesville Unit 3 stack in Section III – Substance Information. No increases in release quantities have been included in this submittal.

If you have any questions concerning this notice, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely,

Michael J. Zwick
Conesville Plant Manager

Enclosure

cc: State Emergency Response Commission
c/o Ohio EPA
Lazarus Government Center
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

Ohio Environmental Protection Agency
Attn: Dan Canter
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

bc: R.W. Green – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/M. V. Runyon – ESD

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

4/30/2013
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick

Position: Plant Manager

Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton

City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg 040	Min 11	Sec 08	**Vessel LORAN Coordinates**	
Longitude	Deg 081	Min 52	Sec 48		

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Permanently Shutdown

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent _____.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 3 permanently shut down as of January 1, 2013.

3. Identify below how you established the pattern of release and calculated release estimates.

____ Past release data	_____ Knowledge of the facility/vessel's operations and release history	_____ Engineering estimate
____ AP-42	_____ Best professional judgment	_____ Other (explain)

* *Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Name of Source: Conesville Unit 3 - Permanently Shutdown

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR ____ (stack ____ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a stack, indicate stack height: ____ feet or meters; OR
- If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any surface water body, give the name of the water body.

  _____

- If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Permanently Shutdown

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen Oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	114,041 lb
Units 5 and 6	128,729 lb

TOTAL - SSI trigger for this hazardous substance release* : 242,770 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	6,008 lb
Units 5 and 6	6,775 lb

TOTAL - SSI trigger for this hazardous substance release* : 12,783 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	10,031 lb
Units 5 and 6	12,781 lb

TOTAL - SSI trigger for this hazardous substance release* : 22,812 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	1,024 lb
Units 5 and 6	1,305 lb

TOTAL - SSI trigger for this hazardous substance release* : 2,329 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9,128 lb
Units 5 and 6	13,483 lb.

TOTAL - SSI trigger for this hazardous substance release* : 22,611 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	2.2 lb
Units 5 and 6	2.2 lb

TOTAL - SSI trigger for this hazardous substance release*: 4.4 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	19.9 lb
Units 5 and 6	25.4 lb

TOTAL - SSI trigger for this hazardous substance release* : 45.3 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium arsenate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	9.6 lb
Units 5 and 6	8.6 lb

TOTAL - SSI trigger for this hazardous substance release* : 18.2 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 4	15.9 lb
Units 5 and 6	19.5 lb

TOTAL - SSI trigger for this hazardous substance release* : 35.4 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

AEP OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

August 11, 2011

U. S. EPA Region V
Superfund Division
77 W. Jackson Blvd.
Mail Code: S-6J
Chicago, IL 60604
Attention: Mr. Richard Karl, Director

RE: Continuous Release Notification
Columbus Southern Power Company – Conesville Plant

Dear Mr. Karl:

The Columbus Southern Power Company is providing the EPCRA/CERCLA Continuous Release forms for a change in the normal range of Sulfuric Acid Aerosol, a reportable substance, from both Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522823).

The Conesville Power Plant consists of two decommissioned units and four operating electric steam generators. Units 1 and 2 are now permanently out of service. Unit 3 and Unit 4 emit their flue gas through their own separate chimneys. Units 5 and 6 emit their flue gas through the same chimney. This notification returns to reporting the upper bound of the combined emissions for Unit 5 and Unit 6 instead of reporting for the units individually at the Conesville plant. The initial continuous release phone notification and written notifications made in 2000 were made on an emission point basis for the Conesville Plant. The facility reported releases for the emissions from the Units 1 and 2 stack, the Unit 3 stack, the unit 4 stack, and the Units 5 and 6 stack.

In conjunction with the installation of pollution control equipment on Unit 4 that changed the characteristics of the emissions, a phone notification and follow-up written notification was made in 2009. Along with modifying the normal range for Unit 4, the other operating units at the Conesville Plant reported a change in emissions resulting from improvements in the method of calculating sulfuric acid emissions using sulfur trioxide concentration in the flue gas as the basis. At the time of this notification in 2009, the new calculation also separated the releases for Unit 5 and Unit 6 and reported normal ranges on an individual unit basis, not a stack emission point basis of the combined units as had been past practice. The cover memo identified the Unit 5 and 6 combined stack range as "Range from 1532 to 10,198 pounds". Later in that letter, the statement was made that "Units 5 and 6 combustion gases are discharged into a common stack but are reported as separate operating boilers, as they are independent operating emission units." Within the attachments that accompanied the letter, Section II forms were provided for each individual unit, Unit 5 and Unit 6, and the

Section III report listed the sulfuric acid upper bound for each unit individually for the SSI Trigger.

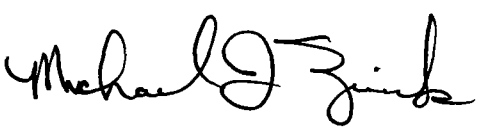
This submittal changes these forms. The basic parameters of the normal range remain the same with respect to the operating characteristics of the units. Since that report made in June 2009 and the one-year anniversary follow-up in 2010, several statistically significant increases and notifications of increases to the upper bound were made on ane individual unit basis for both Units 5 and 6 due to variations in the sulfur content of the fuels used in these units. The sulfur content used is within the specification of the allowed range of coal that these units are capable of burning and are within the Title V permitted limits. The subsequent reports of statistically significant increases and changes to the upper bound of the normal range were made using the convention of a unit basis. While we believe this convention was in compliance with the regulations, we also believe that converting back to the combined units from a single release point better matches the intent of the regulations. As such, we are modifying the lower and upper bound of the normal range to reflect the emissions from the single flue. The upper bound is now 13,483 pounds of sulfuric acid. This value is less than the sum of the highest values of each individual unit but reflects the combined operation and fuel used in these units.

The releases included in the attached reports are routine in nature, anticipated, intermittent and incidental to the normal operation of coal combustion at the Conesville Power Plant. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with seasonal operation of the equipment, hours of operation, fuel quality and other factors. The released quantity is expected to remain within these estimated ranges.

Enclosed are the updated forms for the Conesville Power Plant, Units 5 and 6 (CR-ERNS #522823). Specifically included are forms for Section I (General Information), Section II, (Source Information) and Section III, (calculation of the SSI Upper Bound). The calculation of the upper bound has changed for sulfuric acid only at Units 5 and 6. All other parameters remain as reported in the Initial Notification of 3/3/2000.

If you have any questions concerning this notice, please contact Georgeanne Hammond by telephone at 740-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,



Michael J. Zwick
Conesville Plant Manager

Enclosure

cc: Ohio Environmental Protection Agency
Attn: State Emergency Response Commission
122 South Front Street
Columbus, OH 43215

Ohio Environmental Protection Agency
Attn: Dean Ponchak
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

bc: G.M. Hammond – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/J.P. Novotny – ESD

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

8/11/2011
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR ERNS No. 522822
Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: _800_ feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _33.85'_ feet or meters
  Gas Exit Velocity _78.4-f/s_ feet/second or meters/second
  Gas Temperature _324.8K_ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5 and Unit 6	7664939	13,483 lb.	766 lb.	365	322,329 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 3	2,262 lb.
Unit 4	9,128 lb
Units 5 and 6	13,483 lb.

TOTAL - SSI trigger for this hazardous substance release* : 24,873 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:

CR-ERNS #:

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Report
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Written Report
- ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.

Michael J. Zwick

Name and Position

8/11/2011

Date

Signature

Population Density: Choose the range that describes the population density within a one-mile radius of your facility.

_____ 0 - 50 people	_____ 101 - 500 people	_____ Over 1000 people
_____ 51-100 people	_____ 501- 1000 people	

Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.

Sensitive Population or Ecosystems	Distance and direction from facility

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

FEB 0 9 2011

REPLY TO THE ATTENTION OF:

SC-5J

Ms. Georgeanne Hammond
American Electric Power
47201 CR273
Conesville, OH 43811-9799

Dear Ms. Hammond:

Enclosed is a copy of the earliest report we have from your facility.

Sincerely,

Bill Sandstrom

Encl.

OH(113)

AEP OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

January, 15, 2011

U. S. EPA Region V – Mr. William Sandstrom
Continuous Release Coordinator
77 W. Jackson Blvd.
Mail Code: SC-6J
Chicago, IL 60604

RE: Written Follow-up Report
Continuous Release Notification
Columbus Southern Power Company – Conesville Plant

Dear Mr. Sandstrom: 522818

On December 15, 2010, Ms. Melissa Helmick and Mr. Louis Ianniello of Columbus Southern Power Company notified the National Response Center (NRC) of a statistically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 5 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, 522823). The call to the NRC was assigned incident report #962313. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 7,549 pounds, or 967 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the quantity increasing directly due to operating capacity.

I have enclosed the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at 740-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Brian F. Scragg
Acting Manager Manager, Conesville Power Plant

Enclosures

cc: Ohio Environmental Protection Agency
Attn: State Emergency Response Commission
122 South Front Street
Columbus, OH 43215

Ohio Environmental Protection Agency
Attn: Dean Ponchak
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

bc: G.M. Hammond – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/J.P. Novotny – ESD

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Brian F. Scragg, Acting Manager, Conesville Plant
Name and Position

1-12-11
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823
Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Mark S. Borman
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Mason
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg 040	Min 11	Sec 08		
Longitude	Deg 081	Min 52	Sec 48		

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

- ___ 0 - 50 persons
- ___ 51 - 100 persons
- ___ 101 - 500 persons
- X 501 - 1000 persons
- ___ more than 1000 persons

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

1. Indicate whether the release from this source is either:

continuous without interruption ____ OR routine, anticipated, intermittent X .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 5 is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091 mmBTU/hr controlled with an electrostatic precipitator and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Unit 5

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: ____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other ____)

- If the release affects any **surface water body**, give the name of the water body.

  ____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 26' feet or meters
  Gas Exit Velocity 78.4 f/s feet/second or meters/second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water ____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	7,549	766	365	147,483	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

AEP
OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

October 3, 2011

U. S. EPA Region V—Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 991230
Columbus Southern Power-Conesville Plant

Dear Sir:

On September 29, 2011, Mr. Miles Kimball of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 & 6 at our Conesville Power Plant. (CR-ERNS -522823). The call to the NRC was assigned incident report number **991230** for September 29, 2011 @ 19:40. The increase in emissions resulted from a higher than normal concentration of Sulfur in the coal that was burned by these units. The estimated 24-hour emission of Sulfuric Acid Aerosol was **15906 pounds** or 976 pounds over the upper bound in the continuous release report on file.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick
Plant Manager
Columbus Southern Power, Conesville Plant

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager Conesville Plant
Name and Position

10/3/2011
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823
Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge Michael J. Zwick
Position Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street 47201 County Road 273 County Coshocton
City Conesville State OH Zip Code 43811

Dun and Bradstreet Number for Facility 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 33.85' feet or meters
  Gas Exit Velocity 78.4-f/s feet/second or meters/second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7,343 lb.	766 lb.	365	174,846 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 3	2,262 lb.
Unit 4	9,128 lb
Units 5 and 6	15906 lb.
(Unit 5 - 7549 lb.)	
(Unit 6 - 7381 lb.)	

TOTAL - SSI trigger for this hazardous substance release* : 26,320 lb.

**This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	**CR-ERNS #**:

Type of Report: Indicate below the type of report you are submitting.

☐ Initial Written Report

☐ First Anniversary Follow-up Report

☐ Written Notification of a Change to Initial Written Report

☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J Zwick, Plant Manager
Name and Position

10/3/2011
Date

Signature

Population Density: Choose the range that describes the population density within a one-mile radius of your facility.

_____ 0 - 50 people

_____ 51-100 people

_____ 101 - 500 people

_____ 501- 1000 people

_____ Over 1000 people

Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.

Sensitive Population or Ecosystems	Distance and direction from facility

CR-ERNS Report -- Addendum to Form R

CR-ERNS #:

Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name of Source:

Indicate whether the release from this source is either:
continuous without interruption _____ OR routine, anticipated, intermittent _____

Pattern of the Release: Identify below how you established the pattern of release and calculated release estimates.

_____ Past release data _____ Knowledge of the facility's operations and release history _____ Engineering Estimates

_____ AP-42 _____ Best professional judgement _____ Other (explain)

Environmental Medium affected by the release from this source:

_____ Air _____ Surface Water _____ Soil or Ground Water

Air

If release is to air, please indicate stack height OR surface area of the release.

_____ Stack Height OR _____ Surface Area

Surface Water

If release is to Surface Water, please indicate name, type and specific information of the water body:
Name of water body _____
If stream: _____ Stream Order OR _____ Average flow rate (ft^3/sec)
If lake: _____ Surface area (ac) AND _____ Average Depth (m)

Soil or Ground Water

Indicate distance of closest water well: _____

Hazardous Substance Information:

Name of Hazardous Substance:	CASRN#	Upper Bound (in lbs. or kg per day)	Lower Bound (in lbs. or kg per day)	Number of Days Release Occurs (per year)	Months of the Release

AEP OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

June 7, 2011

U. S. EPA Region V—Mr. William Sandstrom
Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 978656
Columbus Southern Power-Conesville Plant, Unit 6

Dear Mr. Sandstrom:

On June 4, 2011, Mr. Louis Ianniello of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, and 522823). The calls to the NRC were assigned incident report numbers 978656 for June 4, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was **7,881 pounds** or 49 pounds over the upper bound in the continuous release report on file. Temperature at the time was 71 degrees and wind speed was 10 mph.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, the with quantity increasing directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick
Plant Manager
Columbus Southern Power, Conesville Plant

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

6/10/2011
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823
Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg 040	Min 11	Sec 08	**Vessel LORAN Coordinates**	
Longitude	Deg 081	Min 52	Sec 48		

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

____ 0 - 50 persons	X 101 - 500 persons	____ more than 1000 persons
____ 51 - 100 persons	____ 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

CR-ERNS Report -- Addendum to Form R

CR-ERNS #:

Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name of Source:

Indicate whether the release from this source is either:
continuous without interruption _____ OR routine, anticipated, intermittent _____

Pattern of the Release: Identify below how you established the pattern of release and calculated release estimates.

_____ Past release data _____ Knowledge of the facility's operations and release history _____ Engineering Estimates

_____ AP-42 _____ Best professional judgement _____ Other (explain)

Environmental Medium affected by the release from this source:

_____ Air _____ Surface Water _____ Soil or Ground Water

Air

If release is to air, please indicate stack height OR surface area of the release.

_____ Stack Height OR _____ Surface Area

Surface Water

If release is to Surface Water, please indicate name, type and specific information of the water body:

Name of water body _____

If stream: _____ Stream Order OR _____ Average flow rate (ft^3/sec)

If lake: _____ Surface area (ac) AND _____ Average Depth (m)

Soil or Ground Water

Indicate distance of closest water well: _____

Hazardous Substance Information:

Name of Hazardous Substance:	CASRN#	Upper Bound (in lbs. or kg per day)	Lower Bound (in lbs. or kg per day)	Number of Days Release Occurs (per year)	Months of the Release

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	**CR-ERNS #**:

Type of Report: Indicate below the type of report you are submitting.

☐ Initial Written Report	☐ First Anniversary Follow-up Report	☐ Written Notification of a Change to Initial Written Report	☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.

_____
Name and Position

_____ _____
Date Signature

Population Density: Choose the range that describes the population density within a one-mile radius of your facility.

_____	0 - 50 people	X_____	101 - 500 people	_____	Over 1000 people
_____	51-100 people	_____	501- 1000 people		

Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.

Sensitive Population or Ecosystems	Distance and direction from facility

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 3	2,262 lb.
Unit 4	9,128 lb
Units 5 and 6	14,930 lb.
(Unit 5 - 7549 lb.)	
(Unit 6 - 7832 lb.)	

TOTAL - SSI trigger for this hazardous substance release* : 26,320 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7,832 lb.	766 lb.	365	174,846 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 33.85' feet or meters
  Gas Exit Velocity 78.4-f/s feet/second or meters/second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent X .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager Conesville Plant
Name and Position

5/31/2011
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823
Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

AEP
OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

May 26, 2011

U. S. EPA Region V—Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 977443
Columbus Southern Power-Conesville Plant

Dear Sir:

On May 25, 2011, Mr. Miles Kimball of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ERNS -522823). The call to the NRC was assigned incident report number **977443** for May 25, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was **7,832 pounds** or 438 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, the with quantity increasing directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick
Plant Manager
Columbus Southern Power, Conesville Plant

AEP
OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

May 23, 2011

U. S. EPA Region V—Mr. William Sandstrom
Continuous Release Coordinator
77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: **Written Follow-up Report**
Continuous Release Notification – 967006, 976146
Columbus Southern Power-Conesville Plant

Dear Mr. Sandstrom:

On May 11 & 12, 2011, Mr. Mark Grier of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase ~~of the normal~~ range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, and 522823). The calls to the NRC were assigned incident report numbers 967006 ~~for May 11, 2011~~ and 976146 for May 12, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was **7,394 pounds** or 13 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick
Plant Manager
Columbus Southern Power, Conesville Plant

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522823

Date of Initial Release: 3/13/2000

Date of Initial Call to NRC:

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

5/23/2011
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel: Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Michael J. Zwick

Position: Plant Manager

Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton

City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates:

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

____ 0 - 50 persons	X 101 - 500 persons	____ more than 1000 persons
____ 51 - 100 persons	____ 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: _800_ feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

_____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _33.85'_ feet or meters
  Gas Exit Velocity _78.4-f/s_ feet/second or meters/second
  Gas Temperature _324.8K_ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7,394 lb.	766 lb.	365	174,846 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

** Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 3	2,262 lb.
Unit 4	9,128 lb
Units 5 and 6	14,930 lb.
(Unit 5 - 7549 lb.)	
(Unit 6 - 7381 lb.)	

TOTAL - SSI trigger for this hazardous substance release* : 26,320 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:

CR-ERNS #:

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Report
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Written Report
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.

_____
Name and Position

_____ _____
Date Signature

Population Density: Choose the range that describes the population density within a one-mile radius of your facility.

____ 0 - 50 people	____ 101 - 500 people	____ Over 1000 people
____ 51-100 people	____ 501- 1000 people	

Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.

Sensitive Population or Ecosystems	Distance and direction from facility

CR-ERNS Report -- Addendum to Form R

CR-ERNS #:

Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name of Source:

Indicate whether the release from this source is either:
continuous without interruption _____ OR routine, anticipated, intermittent _____

Pattern of the Release: Identify below how you established the pattern of release and calculated release estimates.

_____ Past release data _____ Knowledge of the facility's operations and release history _____ Engineering Estimates

_____ AP-42 _____ Best professional judgement _____ Other (explain)

Environmental Medium affected by the release from this source:

_____ Air _____ Surface Water _____ Soil or Ground Water

Air

If release is to air, please indicate stack height OR surface area of the release.

_____ Stack Height OR _____ Surface Area

Surface Water

If release is to Surface Water, please indicate name, type and specific information of the water body:

Name of water body _____

If stream: _____ Stream Order OR _____ Average flow rate (ft^3/sec)

If lake: _____ Surface area (ac) AND _____ Average Depth (m)

Soil or Ground Water

Indicate distance of closest water well: _____

Hazardous Substance Information:

Name of Hazardous Substance:	CASRN#	Upper Bound (in lbs. or kg per day)	Lower Bound (in lbs. or kg per day)	Number of Days Release Occurs (per year)	Months of the Release

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 33.85' feet or meters
  Gas Exit Velocity 78.4-f/s feet/second or meters/second
  Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Units 5 and 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7881 lb.	766 lb.	365	174,846 lb.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Unit 3	2,262 lb.
Unit 4	9,128 lb
Units 5 and 6	15430 lb.
(Unit 5 - 7549 lb.)	
(Unit 6 - 7881 lb.)	

TOTAL - SSI trigger for this hazardous substance release* : 26,320 lb.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	**CR-ERNS #:**

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Report
- ☐ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Written Report
- ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.

Michael J. Zwick, Plant Manager, Conesville Plant
Name and Position

6/10/2011
Date

Signature

Population Density: Choose the range that describes the population density within a one-mile radius of your facility.

_____ 0 - 50 people	_____ 101 - 500 people	_____ Over 1000 people
_____ 51-100 people	_____ 501- 1000 people	

Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.

Sensitive Population or Ecosystems	Distance and direction from facility

CR-ERNS Report -- Addendum to Form R

CR-ERNS #:

Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name of Source:

Indicate whether the release from this source is either:
continuous without interruption _____ OR routine, anticipated, intermittent _____

Pattern of the Release: Identify below how you established the pattern of release and calculated release estimates.

_____ Past release data _____ Knowledge of the facility's operations and release history _____ Engineering Estimates

_____ AP-42 _____ Best professional judgement _____ Other (explain)

Environmental Medium affected by the release from this source:

_____ Air _____ Surface Water _____ Soil or Ground Water

Air

If release is to air, please indicate stack height OR surface area of the release.

_____ Stack Height OR _____ Surface Area

Surface Water

If release is to Surface Water, please indicate name, type and specific information of the water body:

Name of water body _____

If stream: _____ Stream Order OR _____ Average flow rate (ft^3/sec)

If lake: _____ Surface area (ac) AND _____ Average Depth (m)

Soil or Ground Water

Indicate distance of closest water well: _____

Hazardous Substance Information:

Name of Hazardous Substance:	CASRN#	Upper Bound (in lbs. or kg per day)	Lower Bound (in lbs. or kg per day)	Number of Days Release Occurs (per year)	Months of the Release

AEP OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

July 16, 2010

U. S. EPA Region V – Mr. William Sandstrom
Continuous Release Coordinator
77 W. Jackson Blvd.
Mail Code: SC-6J
Chicago, IL 60604

RE: First Anniversary and Written Follow-up Report
Continuous Release Notification – Change in Normal Range
Columbus Southern Power Company – Conesville Plant

Dear Ms. Marzulli:

On May 30, 2009, Ms. Georgeanne Hammond of Columbus Southern Power Company notified the National Response Center (NRC) of a change in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, 522823). The call to the NRC was assigned incident report #907097. A written follow-up report was submitted on June 17, 2009. The change in emissions reported in 2009 resulted from improvements in the method of calculating sulfuric acid emissions in general and the startup of additional emission controls changing the normal range on Unit 4 in particular.

In accordance with 40 CFR 302.8, emissions for the first year following the 2009 reports have been reviewed and a "First Anniversary Follow-up Report" is being submitted herein. During the course of the review, a change in the upper bound of the normal range of sulfuric acid emission for Conesville Units 5 and 6 was discovered. The basic parameters of the normal range remain the same with respect to the operating characteristics of the units. However, a change in the upper bound for Units 5 and 6 is necessary due to variations in the sulfur content of the fuels used in these units. On July 14, 2010, Ms. Georgeanne Hammond of Columbus Southern Power Company reported the need for this change in a phone call to the NRC. (The NRC assigned incident report number 947710 to the report.) While the emissions for Units 5 and 6 exceeded the previously reported upper bound on several individual days during the last year, at no time during the past year has the total amount of sulfuric acid released from the facility exceeded the total SSI trigger value reported in June 2009. As is provided in the attached forms, the upper bounds for sulfuric acid for each unit will now be as follows: 2,262 lb/day for Unit 3; 9,128 lb/day for Unit 4; 6,582 lb/day for Unit 5; and 7,343 lb/day for Unit 6. The total SSI value for the facility will be 25,315 lbs/day.

AEP OHIO
A unit of American Electric Power

AEP Ohio
Conesville Plant
[illegible]
Conesville, OH 43811-9799
AEP-Ohio.com

Enclosed are the updated forms for the Conesville Plant. Specifically included are forms for Section I (General Information), Section II, (Source Information) and Section III, (calculation of the SSI Upper Bound). The calculation of the upper bound has changed for sulfuric acid only at Units 5 and 6.

If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at 740-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Mark S. Borman
Conesville Plant Manager

Enclosure

cc: Ohio Environmental Protection Agency
Attn: State Emergency Response Commission
122 South Front Street
Columbus, OH 43215

Ohio Environmental Protection Agency
Attn: Dean Ponchak
2195 Front Street
Logan, OH 43138

James Van Horn
Coshocton County EMA
724 s. 7th Street
Coshocton, OH 43812

AEP OHIO®
A unit of American Electric Power

bc: G.M. Hammond – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/J.P. Novotny – ESD

AEP Ohio
Conesville Plant
47201 CR 273
Conesville, OH 43811-9799
AEPOhio.com

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Date of Initial Release:

Date of Initial Call to NRC: 03/13/2000

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☒ First Anniversary Follow-up Report
- ☐ Written Notification of a Change to Initial Notification
- ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Mark S. Borman, Plant Manager, Conesville Plant
Name and Position

7/16/10
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5- CR-ERNS No. 522823
Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Mark S Borman
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Mason
City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 0690684502

Facility/Vessel Location

Latitude	Deg	040	Min	11	Sec	08
Longitude	Deg	081	Min	52	Sec	48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary	0.75 mile NW
Wetland	0.75 mile N
Wetland	0.75 mile S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 3

1. Indicate whether the release from this source is either:

continuous without interruption ____ OR routine, anticipated, intermittent X

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 3 is a Riley Engineering Model 3403 pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 1862 mmBTU/hr controlled with an electrostatic precipitator.

The initial notification of continuous release was filed on March 13, 2000. ...by if unknown?

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Name of Source: Conesville Unit 3

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

If identified source is a **stack**, indicate stack height: 450 feet or meters; OR

If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

⊘ SURFACE WATER (stream , lake , or other)

If the release affects any **surface water body**, give the name of the water body.

If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

stream order: or average flow rate: cubic feet/second; OR

If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

surface area of lake: acres and average depth of lake: meters.

⊘ SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 17'-5" feet or meters

Gas Exit Velocity 34.5-f/s feet/second or meters/second

Gas Temperature 416.5K degrees Fahrenheit, Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity of Surface Water feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	2,262	211	365	65,802	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

** Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522822

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 4

1. Indicate whether the release from this source is either:

continuous without interruption ____ OR routine, anticipated, intermittent X

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 4 is a Combustion Engineering Model 7868 pulverized coal fired steam generator, having a nominal heat input design capacity of 7960 mmBTU/hr. Columbus Southern Power has installed a wet flue gas desulphurization scrubber and selective catalytic NOx reduction (SCR) technology. The steam generator emissions are also controlled with an electrostatic precipitator.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions and the installation and commencement of operations of the new air emission control systems on Unit 4 at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X	Past release data	X	Knowledge of the facility/vessel's operations and release history	X	Engineering estimate
X	AP-42	X	Best professional judgment	____	Other (explain)

* *Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522822

Name of Source: Conesville Unit 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ___) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ___ (stream ___, lake ___, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ___ or average flow rate: ___ cubic feet/second: OR

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ___ acres and average depth of lake: ___ meters.

⊘ SOIL OR GROUND WATER ___

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 32'-8" feet or meters
  Gas Exit Velocity 15.3-f/s feet/second or meters/second
  Gas Temperature 325.9K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522822

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Concsville Unit 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	9,128	1,488	365	62,244	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

** Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent X .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* Continuous

Conesville Power Plant Unit 5 is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091 mmBTU/hr controlled with an electrostatic precipitator and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	___ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Unit 5

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area ___) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet or meters: OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: ____ square feet or square meters.

⊘ SURFACE WATER ___ (stream ___, lake ___, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

_____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

stream order: ___ or average flow rate: ___ cubic feet/second; OR

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

surface area of lake: ___ acres and average depth of lake: ___ meters.

⊘ SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

Inside diameter 26' feet or meters

Gas Exit Velocity 78.4 f/s feet/second or meters/second

Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

Average Velocity of Surface Water ___ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	6,582	766	365	147,483	12
All Other Substances Remain as reported in Initial Notification 3/13/2000	UNIT	7343 — 13,925	766 — 1,532	365	174,846 — 322,329	

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 6

1. Indicate whether the release from this source is either:

continuous without interruption OR routine, anticipated, intermittent X

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 6 is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091 mmBTU/hr controlled with an electrostatic precipitator and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	___ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Concsville Unit 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

If identified source is a **stack**, indicate stack height: 800 feet or meters; **OR**

If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

⊘ SURFACE WATER (stream , lake , or other)

If the release affects any **surface water body**, give the name of the water body.

If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

stream order: or average flow rate: cubic feet/second; **OR**

If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

surface area of lake: acres and average depth of lake: meters.

⊘ SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 26' feet or meters

Gas Exit Velocity 78.4 f/s feet/second or meters/second

Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity of Surface Water feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	7,343	766	365	174,846	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Conesville Plant Unit 3	2262 lb/day
Conesville Plant Unit 4	9128 lb/day
Conesville Plant Unit 5	6582 lb/day
Conesville Plant Unit 6	7343 lb/day
The Upper bound of all other substances remain as reported in the initial notification dated 3/13/2000.	

TOTAL - SSI trigger for this hazardous substance release* : 25,315 lb/day

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

American Electric Power
Conesville Plant
47201 CR 273
Conesville, OH 43811 9799
740 829 2378

OH (113)

AEP
AMERICAN® ELECTRIC POWER

Enforcement CR-ERNS
Processing File
Jul 13

May 10, 2000

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago IL, 60604
Attention: Mr. William Sandstrom

Re: Conesville Plant
47201 CR 273
Conesville, Ohio 43811
CR-ERNS Number(s) – 522818

Dear Mr. Sandstrom:

This letter is a follow up to your question and comment relating to our written continuous release report dated April 12, 2000.

You asked what type of coal we burn. We have the capability to utilize a combination of fossil fuels including natural gas, fuel oil, bituminous coal, etc. to produce steam for production of electricity.

Your comment was relating to using only the first CR-ERNS number we were given when reporting when referring to this case & we understand this.

This should answer your question but if not feel free to call me at 740-829-4034.

Sincerely,

Rob Senita
Supervising Engineer – Environmental
AEP/Conesville Plant

Cc: Dan Lambert/ Mark Borman
Guy Cerimele

American Electric Power
Conesville Plant
47201 CR 273
Conesville, OH 43811 9799
740 829 2378

AEP
AMERICAN® ELECTRIC POWER

April 12, 2000

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago IL, 60604

Re: Conesville Plant
47201 CR 273
Conesville, Ohio 43811
CR-ERNS Number(s) – 522818; 522820; 522822; 522823
OH ID Tracking Nos. IPIR-0003-16-0850, IPIR 0003-16-0850/01,
IPIR 0003-16-0850/02 and IPIR 0003-16-0850/03

Dear Sir or Madam:

Enclosed please find an initial written continuous release report for American Electric Power's (AEP's) Conesville Plant. This report is being submitted in accordance with 40 CFR § 302.8 to supplement the initial telephone notification made to the National Response Center (NRC), the State Emergency Response Commission (SERC) and the Local Emergency Planning Commission (LEPC) on March 13, 2000.

This report was prompted by the issuance of an interim guidance document by the Environmental Protection Agency on December 21, 1999, giving notice of specific interpretations of the definition of a "federally permitted release" under Section 101 (10)(H) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). The interim guidance asserts that most permit limitations and control requirements established under the Clean Air Act do not qualify as "federally permitted releases," even though such emissions are part of the normal operation of these air emission sources and are directly or indirectly controlled by those permits and regulations. AEP does not agree with the positions announced in the interim guidance, and has submitted comments to EPA as requested in the notice. However, the enclosed report is based on the interpretations announced in the interim guidance.

Please note that the emissions reported in the enclosed report represent a range of the levels at which individual hazardous constituents that may be present in the emissions associated with the normal operations of the major sources at our power plant.

They do not represent "emergency" conditions, pose threats to public health or welfare, or require specific emergency response or planning activities.Actual emissions will vary with hours of operation, fuel quality, and other factors.

If you have any questions concerning the enclosed report, please contact Rob Senita @ 740-829-4034.

Sincerely,

Daniel O. Lambert

CC:
Ohio EPA
122 South Front Street
Columbus, Ohio 43215

Coshocton County LEPC
County Services Building
724 S. Seventh Street
Coshocton, Ohio 43812

RS/lsm

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Date of Initial Call to NRC: 03/13/00

Type of Report: Indicate below the type of report you are submitting.

- [X] Initial Written Notification
- [ ] First Anniversary Follow-up Report
- [ ] Written Notification of a Change to Initial Notification
- [ ] Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Dan Lambert, Plant Manager
Name and Position

4-12-00
Date

Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel: Conesville Unit Nos. 1 and 2, Conesville Unit No. 3, Conesville Unit No. 4, and Conesville Unit Nos. 5 and 6

Person in Charge of Facility or Vessel

Name of Person in Charge: Dan Lambert

Position: Plant Manager

Telephone No. (740) 829-4101 Alternate Telephone No. ( )

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton

City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 069068450

Facility/Vessel Location

Latitude Deg 040 Min 11 Sec 08

Longitude Deg 081 Min 52 Sec 48

Vessel LORAN Coordinates

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

- ___ 0 - 50 persons
- ___ 51 - 100 persons
- ___ 101 - 500 persons
- _X_ 501 - 1000 persons
- ___ more than 1000 persons

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary School	3/4-mi., N.W.
Wetland	3/4-mi., N.
Wetland	1/2-mi., S.

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack CS012

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack CS012

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 450 feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack CS012

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or kg~~ per day)* Upper Bound	Normal Range (in lbs. ~~or kg~~ per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or kg~~)*	Months of the Release
Nitrogen oxide	10102439	95,294	57,871	365	10,900,000 5,45 TN	12
Nitrogen dioxide	10102440	5,015	3,046	365	600,000	12
Hydrochloric acid	7647010	4,029	2,297	365	600,000	12
Hydrogen fluoride	7664393	411	235	365	80,000	12
Sulfuric acid	7664939	2,481	1,506	365	540,000	12
Calcium arsenate	7778441	3.9	1.5	365	170	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack 3

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack 3

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** __X__ (stack __X__ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: __450__ feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or kg~~ per day)* Upper Bound	Normal Range (in lbs. ~~or kg~~ per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or kg~~)*	Months of the Release
Nitrogen oxide	10102439	29,603	13,008	365	2,200,000	12
Nitrogen dioxide	10102440	1,558	685	365	100,000	12
Hydrochloric acid	7647010	2,574	1,068	365	340,000	12
Hydrogen fluoride	7664393	263	109	365	44,000	12
Sulfuric acid	7664939	922	280	365	160,000	12
Calcium arsenate	7778441	2.5	0.7	365	155	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack 4

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** __X__ (stack __X__ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or kg~~ per day)* Upper Bound	Normal Range (in lbs. ~~or kg~~ per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or kg~~)*	Months of the Release
Nitrogen oxide	10102439	114,041	34,522	365	15,800,000	12
Nitrogen dioxide	10102440	6,002	1,817	365	800,000	12
Hydrochloric acid	7647010	10,031	2,850	365	1,300,000	12
Hydrogen fluoride	7664393	1,024	291	365	290,000	12
Sulfuric acid	7664939	3,583	745	365	1,300,000	12
Mercury	7439976	2.2	0.6	365	380	12
Selenium dioxide	7446084	19.9	5.7	365	3,600	12
Calcium arsenate	7778441	9.6	1.9	365	660	12
Cyanides	57125	15.9	5.6	365	3,600	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack CS056

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack CS056

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: _800_ feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack CS056

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or kg~~ per day)* Upper Bound	Normal Range (in lbs. ~~or kg~~ per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or kg~~)*	Months of the Release
Nitrogen oxide	10102439	128,729	35,035	365	16,200,000	12
Nitrogen dioxide	10102440	6,775	1,844	365	900,000	12
Hydrochloric acid	7647010	12,781	3,184	365	1,700,000	12
Hydrogen fluoride	7664393	1,305	325	365	110,000	12
Sulfuric acid	7664939	2,525	408	365	2,800,000	12
Mercury	7439976	2.2	0.5	365	590	12
Selenium dioxide	7446084	25.4	6.3	365	1,300	12
Calcium arsenate	7778441	8.6	1.5	365	580	12
Cyanides	57125	19.5	5.9	365	4,400	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 4

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __1__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Combustion of fuel oil to produce steam for heat or unit start-up.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Auxiliary Boiler 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 240 feet ~~or meters;~~ **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Calcium arsenate	7778-44-1	0.003	0	1 or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	1 or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001	0	1 or more	0.001	12 or more
Hydrochloric acid	7647-01-0	1.2	0	1 or more	1.2	12 or more
Hydrofluoric acid	7664-39-3	0.056	0	1 or more	0.056	12 or more
Sulfuric acid	7664-93-9	3.6	0	1 or more	3.6	12 or more
Nitrogen oxide	10102-43-9	69	0	1 or more	69	12 or more
Nitrogen dioxide	10102-44-0	3.6	0	1 or more	3.6	12 or more

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Conesville Stack CS012	95,294
Conesville Stack 3	29,603
Conesville Stack 4	114,041
Conesville Stack CS056	128,729

TOTAL - SSI trigger for this hazardous substance release* : 367,667 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	5,015
Conesville Stack 3	1,558
Conesville Stack 4	6,008
Conesville Stack CS056	6,775

TOTAL - SSI trigger for this hazardous substance release* : 19,356 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid RQ 5,000

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	4,029
Conesville Stack 3	2,574
Conesville Stack 4	10,031
Conesville Stack CS056	12,781

TOTAL - SSI trigger for this hazardous substance release* : 29,415 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride RQ 2100

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	411
Conesville Stack 3	263
Conesville Stack 4	1,024
Conesville Stack CS056	1,305

TOTAL - SSI trigger for this hazardous substance release*: 3,003 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric acid RQ 1,000

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	2,481
Conesville Stack 3	922
Conesville Stack 4	3,583
Conesville Stack CS056	2,525

TOTAL - SSI trigger for this hazardous substance release* : 9,511 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury RQ: 1

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs. ~~x kg x or Ci~~)
Conesville Stack 4	2.2
Conesville Stack CS056	2.2

TOTAL - SSI trigger for this hazardous substance release* : 4.4 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg~~ or ~~Ci~~)
Conesville Stack 4	19.9
Conesville Stack CS056	25.4

TOTAL - SSI trigger for this hazardous substance release* : 45.3 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium arsenate (K921)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs. ~~kg~~ or ~~Ci~~)
Conesville Stack CS012	3.9
Conesville Stack 3	2.5
Conesville Stack 4	9.6
Conesville Stack CS056	8.6

TOTAL - SSI trigger for this hazardous substance release* : 24.6 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

KQ=10

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack 4	15.9
Conesville Stack CS056	19.5

TOTAL - SSI trigger for this hazardous substance release* : 35.4 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

NATIONAL RESPONSE CENTER (NRC)
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***

IRIS/NRC # 522818 - Entered into CP-CRMS

(OH) (113)

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:04 on 13-MAR-00
Incident Type: CONTINUOUS
Incident Cause: OTHER Affected Area:
The incident was
discovered on
13-MAR-00 at 14:00
local time.

REPORTING PARTY

Name: GUY CERIMELE
Organization:
AMERICAN ELECTRIC
POWER Address: 1
RIVERSIDE PLAZA
COLUMBUS, OH 43215
AMERICAN ELECTRIC POWER called for the responsible party.
PRIMARY Phone:
(614)2231295
Type of Organization:
PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

Name: DAN LAMBERT
Organization:
AMERICAN ELECTRIC
POWER Address: 47201
COUNTY ROAD 273
CONESVILLE, OH 45811
PRIMARY Phone: (740)8294101
Type of Organization: PUBLIC UTILITY

INCIDENT LOCATION

47201 COUNTY ROAD 273
County: COSHOCTON
CONESVILLE, OH

RELEASED MATERIAL(S)

SOURCE/CAUSE OF INCIDENT

THE CALLER IS REPORTING
AN INITIAL CONTINUOUS
RELEASE REPORT.

DAMAGES

REMEDIAL ACTIONS

NOTIFICATIONS BY NRC

ADDITIONAL INFORMATION

CHRIS Code: CCA
Official Material Name: CALCIUM ARSENATE
Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: HFA
Official Material Name: HYDROFLUORIC ACID
Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: NITROGEN DIOXIDE
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: NITROGEN OXIDE
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522818 ***
Report any problems or Fax number changes by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

OH (113)

AMERICAN ELECTRIC POWER

COPY

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

June 17, 2009

U. S. EPA Region 5
Superfund Division
77 West Jackson Boulevard
Mail Code S-6J
Chicago, Illinois 60604

Attention: Mr. Richard Karl, Director

Subject: **Written Notification of a Change in the Normal Range of Continuous Releases – Conesville Plant.**

Dear Mr. Karl:

On May 30, 2009 at approximately 2:06 p.m. EST, Mrs. Georgeanne M. Hammond of Columbus Southern Power, Conesville Power Plant notified the National Response Center (NRC) of a statistically significant increase in emissions that results in a change in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from the Conesville Power Plant Unit 4, (CR-ERNS #522822). The call to the NRC was assigned incident report #907097.

The increase in the upper bound of the Unit 4 normal range of Sulfuric Acid Aerosol emissions (CASRN #7664939) is the result of a re-evaluation of the calculations methods used to estimate the emissions and the installation and commencement of operation of new air emission controls systems at Conesville Power Plant. The normal range of emissions for the other substances previously reported as a continuous release will not change for the Conesville Plant main boiler stacks. In addition, we are taking this opportunity to revise the normal range of Sulfuric Acid Aerosol emissions (CASRN #7664939) for Units 3, 5 and 6 in accordance with this re-evaluation of the calculations methods used to estimate the emissions. The changes in the Unit 3, 5 and 6 sulfuric acid emissions normal range are due solely to the change in the method of calculation.

The previously reported range for continuous releases of Sulfuric Acid Aerosol within a 24-hour period from each of the Conesville Power Plant Units' main boiler stacks was:

Stack/Unit No: 3	(CR-ERNS No: 522820)	Range from 280 to 1,720 pounds
Stack/Unit No: 4	(CR-ERNS No: 522822)	Range from 745 to 3,868 pounds
Stack/Unit No: 5/6	(CR-ERNS No: 522823)	Range from 408 to 3,381 pounds

The new normal range of emissions for continuous releases of Sulfuric Acid Aerosol, (CASRN # 7664939) from each of the Conesville Power Plant Units' main boiler stacks during a 24-hour period should now be listed as follows:

Stack/Unit No: 3	(CR-ERNS No: 522820)	Range from 211 to 2,262 pounds
Stack/Unit No: 4	(CR-ERNS No: 522822)	Range from 1,488 to 9,128 pounds
Stack/Unit No: 5/6	(CR-ERNS No: 522823)	Range from 1532 to 10,198 pounds

COPY

These Sulfuric Acid Aerosol emissions are routine in nature, anticipated, intermittent and incidental to the normal operation of the Conesville power plant. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with seasonal operation of the equipment, actual hours of operation, fuel quality and other factors, but the released quantity is expected to remain within these estimated ranges.

Concurrent with the recent installation of new flue gas desulphurization and nitrogen oxide air emission controls, the original stack previously used for Conesville Plant Unit 4 was retired and abandoned in place. Conesville Plant Unit 4 now discharges through a newly constructed 800 foot fiberglass reinforced plastic (FRP) flue contained within a new concrete stack shell. Unit 4 was placed into service, discharging through its new flue, on May 30, 2009.

Conesville Unit's 1 and 2 stack (CR-ERNS Number 522812) and the Conesville Unit 4 auxiliary boiler have been retired from service and should be removed from your data base of reported information for the Conesville plant.

Enclosed are the revised forms for the Conesville Power Plant Unit(s) 3, 4, 5, & 6 (CR-ERNS #522820, 522822, & 522823). Specifically, we are providing Section I, (General Information), Section II, (Source Information), and Section III, calculation of the SSI (Upper Bound) for each emissions unit described above. Units 5 and 6 combustion gasses are discharged into a common stack but are reported as separate operating boilers, as they are independent operating emission units.

If you have any questions concerning this notice, please do not hesitate to contact Georgeanne M. Hammond by telephone at (740) 829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Brian Scragg

M. S. Borman
Conesville Plant Manager

BRIAN SCRAGG
ACTING PLANT MANAGER
ENERGY PRODUCTION SUPERINTENDENT

Enclosure

cc:

Ohio Environmental Protection Agency
Attn: State Emergency Response Commission
122 South Front Street
Columbus, OH 43215

James Van Horn
Coshocton County EMA
724 S. 7th Street
Coshocton, OH 43812

Ohio Environmental Protection Agency
Attn: Mr. Dean Ponchak
2195 Front Street
Logan, OH 43138

418

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522820, 522822, & 522823

Date of Initial Release:

Date of Initial Call to NRC: 3/13/00

Type of Report: Indicate below the type of report you are submitting.

- ☐ Initial Written Notification
- ☐ First Anniversary Follow-up Report
- ☒ Written Notification of a Change to Initial Notification
- ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Mark S. Borman Plant Manager - Conesville Power Plant
Name and Position

6-17-2009
Date

Brian Scragg - BRIAN SCRAGG ENERGY PRODUCTION SUPERINTENDENT
Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Conesville Power Plant Unit No. 3. - CR-ERNS No. 522820
Conesville Power Plant Unit No. 4. - CR-ERNS No. 522822
Conesville Power Plant Unit No. 5. - CR-ERNS No. 522823
Conesville Power Plant Unit No. 6. - CR-ERNS No. 522823

Person in Charge of Facility or Vessel

Name of Person in Charge: Mark. S. Borman
Position: Plant Manager
Telephone No. (740) 829-4101 Alternate Telephone No. (740-) 829-4102

Facility Address or Vessel Port of Registration

Street 47201 County Road 273 County Coshocton
City Conesville State Ohio Zip Code 43811

Dun and Bradstreet Number for Facility: 069068450

Facility/Vessel Location

Latitude	Deg 40	Min 11	Sec 08	**Vessel LORAN Coordinates**	
Longitude	Deg 81	Min 52	Sec 48		

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons	___ 101 - 500 persons	___ more than 1000 persons
___ 51 - 100 persons	X 501 - 1000 persons	

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary School	0.75 mile - N.W
Wetland	0.75 mile - N
Wetland	0.50 mile - S

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Stack #3

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 3 is a Riley Engineering Model 3403 pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 1862 mmBtu/hr controlled with an electrostatic precipitator (ESP).

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Power Plant

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Name of Source: Conesville Unit3

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR __X__ (stack __X__ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 450 ft feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 17' 5" feet or meters (17.4)
  Gas Exit Velocity 34.5 ft/s feet/second or meters/second
  Gas Temperature 416.5 K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit/Stack 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	2,262 lbs/day	211 lbs/day	365	99,517 lbs.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522822

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 4

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 4 is a Combustion Engineering Model 7868 pulverized coal fired steam generator, having a nominal heat input design capacity of 7960 mmBtu/hr. Columbus Southern Power has installed a wet flue gas desulphurization scrubber and selective catalytic NOx reduction (SCR) technology. The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions and the installation and the commencement of operations of new air emission controls systems on Unit 4 at the Conesville Power Plant

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522822

Name of Source: Conesville Unit 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 ft feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 32' 8" feet or meters
  Gas Exit Velocity 15.3 ft/s feet/second or meters/second
  Gas Temperature 325.9 K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522822

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit/Stack 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	9128 lbs/day	1,488 lbs/day	365	429,800 lbs.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 5 is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091mmBtu/hr controlled with an electrostatic precipitator (ESP) and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Power Plant

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Unit 5

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 ft feet or meters; OR
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; OR
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 26' feet or meters

  Gas Exit Velocity 78.4 ft/s feet/second or meters/second

  Gas Temperature 324.8 K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit/Stack 5 ES of J6 Stack Cyclone of Unit 6

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	5,099 lbs/day	766 lbs/day	365	213,816 lbs.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000						

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 6

1. Indicate whether the release from this source is either:

continuous without interruption _____ OR routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Conesville Power Plant Unit 6is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091mmBtu/hr controlled with an electrostatic precipitator (ESP) and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Power Plant

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Unit 6

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

⊘ AIR _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 ft feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ SURFACE WATER ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ SOIL OR GROUND WATER ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter 26' feet or meters
  Gas Exit Velocity 78.4 ft/s feet/second or meters/second
  Gas Temperature 324.8 K degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity of Surface Water _____ feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit/Stack 6 Stack CS056 Conbrn w unit 5

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Sulfuric Acid	7664939	5,099 lbs/day	766 lbs/day	365	167,409 lbs.	12
All Other Substances Remain as reported in Initial Notification 3/13/2000					unit 5 — 213,516 381,925	

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, & 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Conesville Power Plant Unit/Stack 3	2,262 lbs/day
Conesville Power Plant Unit/Stack 4	9,128 lbs/day
Conesville Power Plant Units/Stack 5	5,099 lbs/day
Conesville Power Plant Units/Stack 6	5,099 lbs/day
All Other Substances Remain as reported in Initial Notification 3/13/2000	

TOTAL - SSI trigger for this hazardous substance release* : 21,588 lbs/day

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

HQS-PF-fldr-NRC@uscg.mil To

05/30/2009 01:28 PM

Subject NRC#907097

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 907097

INCIDENT DESCRIPTION

*Report taken by: MST3 KATIE WILSON at 14:06 on 30-MAY-09
Incident Type: CONTINUOUS
Incident Cause: OTHER
Affected Area:
Incident occurred on 30-MAY-09 at 13:54 local incident time.
Affected Medium: AIR

REPORTING PARTY

Name: GEORGANNE HAMMOND
Organization: COLUMBUS SOUTHERN POWER
Address: 47201 COUNTY ROAD 273
CONESVILLE, OH 43811
COLUMBUS SOUTHERN POWER reported for the responsible party.
PRIMARY Phone: (740)8294065
Type of Organization: PRIVATE ENTERPRISE

SUSPECTED RESPONSIBLE PARTY

Name: GEORGANNE HAMMOND
Organization: COLUMBUS SOUTHERN POWER
Address: 47201 COUNTY ROAD 273
CONESVILLE, OH 43811
PRIMARY Phone: (740)8294065

INCIDENT LOCATION

47201 COUNTY ROAD 273 County: COSHOCTON
City: CONESVILLE State: OH Zip: 43811

RELEASED MATERIAL(S)

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As: SULFURIC ACID (AREOSOL)
Qty Released: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING A STATISTICALLY SIGNIFICANT INCREASE TO A CONTINUOUS RELEASE FROM A POWER PLANT. THE MATERIAL IS SULFURIC ACID AEROSOL THAT IS BEING RELEASED FROM UNIT 004, A COAL FIRE GERNATING UNIT. THE INCREASE IS DUE TO THE START UP OF THE NEW UNIT FOR THE FIRST TIME.

SENSITIVE INFORMATION

PLANT MANAGER: MARK BORMAN, PHONE: 740-829-4101

INCIDENT DETAILS

Building ID:
Type of Fixed Object: POWER PLANT
Power Generating Facility: YES
Generating Capacity:
Type of Fuel: COMBUSTION
NPDES:
NPDES Compliance: UNKNOWN
Continuous Release Type: STATISTICALLY SIGNIFICANT INCREASE
Initial Continuous Release Number: 522822
Continuous Release Permit: 6160000

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:
FATALITIES: NO Empl/Crew: Passenger: Occupant:
EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours Closed	Direction of Closure
Air: N			
Road: N			Major Artery: N
Waterway: N			
Track:			

Environmental Impact: UNKNOWN
Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

NONE
Release Secured: NO
Release Rate:
Estimated Release Duration:

WEATHER

Weather: UNKNOWN, °F

ADDITIONAL AGENCIES NOTIFIED

Federal: NONE
State/Local: NONE
State/Local On Scene: NONE
State Agency Number: NONE

NOTIFICATIONS BY NRC

ATLANTIC STRIKE TEAM (MAIN OFFICE)
30-MAY-09 14:28 (609)7240008
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
30-MAY-09 14:28 (202)3661863
CONT. RELEASE (MAIN OFFICE)
30-MAY-09 14:28 (703)6039086
CONT. RELEASE 5 (MAIN OFFICE)
30-MAY-09 14:28 (312)8866028

U.S. EPA V (MAIN OFFICE)
(312)3532318
NOAA RPTS FOR OH (MAIN OFFICE)
30-MAY-09 14:28 (206)5264911
NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)
(202)2671136
OHIO DEPARTMENT OF HEALTH (OHDOH)
30-MAY-09 14:28 (614)7528451
OH EPA ATTN: DUTY OFFICER (MAIN OFFICE)
30-MAY-09 14:28 (614)2240946

ADDITIONAL INFORMATION

CALLER WILL NOTIFY THE SERC, LEPC, AND CONESVILLE FIRE DEPT. CALLER STATES THAT THE UPPER BOUNDS WILL BE PROVIDED IN THE WRITTEN FOLLOW-UP REPORT.

CONTINUOUS RELEASE MATERIAL

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As: SULFURIC ACID (AEROSOL)
Upper Bounds: 0 UNKNOWN AMOUNT/DAY

*** END INCIDENT REPORT #907097 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
614 223 1000

OH (113)

AEP
AMERICAN ELECTRIC POWER

May 11, 2001

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago, IL 60604

Re: American Electric Power
Annual Follow-up Continuous Release Notification

Dear Sir or Madam:

Please find enclosed first anniversary follow-up reports on continuous release notifications for the following facilities:

Facility Name	CR-ERNS Number	Facility Location
Big Sandy Plant	522751	Louisa, KY 41230
Cardinal Plant	522824, 522825 & 522827	Brilliant, OH 43913
Conesville Plant	522818, 522820, 522822 & 522823	Conesville, OH 43811
Gavin Plant	522747 & 522748	Cheshire, OH 45620
Kammer Plant	522800	Moundsville, WV 26041
Mitchell Plant	522794	Moundsville, WV 26041
Mountaineer Plant	522753	New Haven, WV 25265
Muskingum River Plant	522754 & 522755	Waterford, OH 45786
Picway Plant	522789	Lockbourne, OH 43137
Rockport Plant	522778	Rockport, IN 47635
Philip Sporn Plant	522816 & 522817	New Haven, WV 25265

These reports are being submitted in accordance with 40 CFR §302.8 to follow up initial written notifications made in May 2000. These reports were prompted by the issuance of an interim guidance document by the Environmental Protection Agency on December 21, 1999 giving notice of specific interpretations of the definition of a "federally permitted release" under Section 101 (10)(H) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). AEP does not agree with the positions announced in the guidance and has participated in the review and evaluation of the initial guidance and subsequent guidance documents. However, the enclosed reports are based on the interpretations announced in the interim guidance.

Please note that the emissions reported in the enclosed reports represent a range of levels at which individual hazardous constituents may be present in the emissions associated with the normal operations of the major sources at our power plants. They do not represent "emergency" conditions, pose threats to public health or welfare or require specific emergency response or planning activities. Actual emissions will vary with hours of operation, fuel quality and other factors.

If you have any questions concerning the enclosed reports, please contact me at (614) 223-1246.

Sincerely,

Thomas R. Zelina

Thomas R. Zelina
Manager, Waste Management and Mediation Services

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Date of Initial Call to NRC: 03/13/00

Type of Report: Indicate below the type of report you are submitting.

- [ ] Initial Written Notification
- [x] First Anniversary Follow-up Report
- [ ] Written Notification of a Change to Initial Notification
- [ ] Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Dan Lambert, Plant Manager
Name and Position

5/8/01
Date

FOR DAN LAMBERT
Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel: Conesville Unit Nos. 1 and 2, Conesville Unit No. 3, Conesville Unit No. 4, and Conesville Unit Nos. 5 and 6

Person in Charge of Facility or Vessel

Name of Person in Charge: Dan Lambert

Position: Plant Manager

Telephone No. (740) 829-4101 Alternate Telephone No. ( )

Facility Address or Vessel Port of Registration

Street: 47201 County Road 273 County: Coshocton

City: Conesville State: OH Zip Code: 43811

Dun and Bradstreet Number for Facility: 069068450

Facility/Vessel Location

Latitude	Deg 040	Min 11	Sec 08	Vessel LORAN Coordinates
Longitude	Deg 081	Min 52	Sec 48	

Part B. Population Information

Population Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

- ____ 0 - 50 persons
- ____ 51 - 100 persons
- ____ 101 - 500 persons
- _X_ 501 - 1000 persons
- ____ more than 1000 persons

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.)	Distance and direction from facility
Conesville Elementary School	3/4-mi., N.W.
Wetland	3/4-mi., N.
Wetland	1/2-mi., S.

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack CS012

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack CS012

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 450 feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____, lake ____, or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack CS012

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Nitrogen oxide	10102439	99,622	57,871	365	13,600,524	12
Nitrogen dioxide	10102440	5,243	3,046	365	715,800	12
Hydrochloric acid	7647010	4,212	2,297	365	960,000	12
Hydrogen fluoride	7664393	430	235	365	81,000	12
Sulfuric acid	7664939	2,593	1,506	365	374,000	12
Calcium arsenate	7778441	5.2	1.5	365	354	12
Mercury	7439976	0.9	0.5	365	194	12
Selenium dioxide	7446084	11.8	4.1	365	2,352	12
Acrolein	107028	0.2	0.1	365	27	12
Cyanides	57125	8.9	4.4	365	1,475	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack 3

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack 3

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** __X__ (stack __X__ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: __450__ feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Nitrogen oxide	10102439	31,303	13,008	365	3,136,000	12
Nitrogen dioxide	10102440	1,648	685	365	165,000	12
Hydrochloric acid	7647010	2,722	1,068	365	580,000	12
Hydrogen fluoride	7664393	278	109	365	49,000	12
Sulfuric acid	7664939	1,720	280	365	113,000	12
Calcium arsenate	7778441	3.4	0.7	365	352	12
Mercury	7439976	0.6	0.3	365	118	12
Selenium dioxide	7446084	7.6	2.8	365	1,424	12
Acrolein	107028	0.1	0.0	365	17	12
Cyanides	57125	7.6	3.8	365	892	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack 4

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__ .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** __X__ (stack __X__ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or kg~~ per day)* Upper Bound	Normal Range (in lbs. ~~or kg~~ per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or kg~~)*	Months of the Release
Nitrogen oxide	10102439	120,743	34,522	365	17,600,000	12
Nitrogen dioxide	10102440	6,355	1,817	365	930,000	12
Hydrochloric acid	7647010	10,620	2,850	365	2,720,000	12
Hydrogen fluoride	7664393	1,084	291	365	230,000	12
Sulfuric acid	7664939	3,868	745	365	442,000	12
Mercury	7439976	2.3	0.6	365	538	12
Selenium dioxide	7446084	29.8	5.7	365	6,688	12
Calcium arsenate	7778441	13.5	1.9	365	1,756	12
Cyanides	57125	17.8	5.6	365	4,241	12
Acrolein	107028	0.3	0.1	365	77	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack CS056

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __X__.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.

Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack CS056

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _x_ (stack _x_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 800 feet ~~or meters~~; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ , lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

- For a stack release to air, provide the following information, if available:

  Inside diameter _____ feet or meters
  Gas Exit Velocity _____ feet/second or meters/second
  Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Stack CS056

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

9785 tons

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. ~~or~~ kg per day)* Upper Bound	Normal Range (in lbs. ~~or~~ kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ~~or~~ kg)*	Months of the Release
Nitrogen oxide	10102439	129,130	35,035	365	19,570,000	12
Nitrogen dioxide	10102440	6,796	1,844	365	1,030,000	12
Hydrochloric acid	7647010	12,819	3,184	365	611,000	12
Hydrogen fluoride	7664393	1,309	325	365	46,000	12
Sulfuric acid	7664939	3,381	408	365	320,000	12
Mercury	7439976	2.2	0.5	365	343	12
Selenium dioxide	7446084	36.0	6.3	365	1,749	12
Calcium arsenate	7778441	11.5	1.5	365	1,132	12
Cyanides	57125	22.9	5.9	365	5,002	12
Acrolein	107028	0.4	0.1	365	90	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 4

1. Indicate whether the release from this source is either:

continuous without interruption _____ **OR** routine, anticipated, intermittent __1_____.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Combustion of fuel oil to produce steam for heat or unit start-up.

3. Identify below how you established the pattern of release and calculated release estimates.

__X__ Past release data	__X__ Knowledge of the facility/vessel's operations and release history	__X__ Engineering estimate
__X__ AP-42	__X__ Best professional judgment	_____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Auxiliary Boiler 4

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

⊘ **AIR** _X_ (stack _X_ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 240 feet ~~or meters;~~ **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

⊘ **SURFACE WATER** ____ (stream ____ ; lake ____ , or other _____)

- If the release affects any **surface water body**, give the name of the water body.

  _____

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

  stream order: ____ or average flow rate: ____ cubic feet/second; **OR**

- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.

  surface area of lake: ____ acres and average depth of lake: ____ meters.

⊘ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

_____

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter _____ feet or meters

Gas Exit Velocity _____ feet/second or meters/second

Gas Temperature _____ degrees Fahrenheit, Kelvin, or Celsius

- For a release to surface water, provide the following information, if available:

  Average Velocity _____ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Calcium arsenate	7778-44-1	0.003	0	1 or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	1 or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001	0	1 or more	0.001	12 or more
Hydrochloric acid	7647-01-0	1.2	0	1 or more	1.2	12 or more
Hydrofluoric acid	7664-39-3	0.056	0	1 or more	0.056	12 or more
Sulfuric acid	7664-93-9	3.6	0	1 or more	3.6	12 or more
Nitrogen oxide	10102-43-9	69	0	1 or more	69	12 or more
Nitrogen dioxide	10102-44-0	3.6	0	1 or more	3.6	12 or more

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 1

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound	Normal Range (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Calcium arsenate	7778-44-1	0.003	0	1 or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	1 or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001	0	1 or more	0.001	12 or more
Hydrochloric acid	7647-01-0	1.2	0	1 or more	1.2	12 or more
Hydrofluoric acid	7664-39-3	0.056	0	1 or more	0.056	12 or more
Sulfuric acid	7664-93-9	3.6	0	1 or more	3.6	12 or more
Nitrogen oxide	10102-43-9	69	0	1 or more	69	12 or more
Nitrogen dioxide	10102-44-0	3.6	0	1 or more	3.6	12 or more

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture	Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound	Normal Range of Components (in lbs. or kg per day)* Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound	Normal Range of Mixture (in lbs. or kg per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release

* *Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)
Conesville Stack CS012	99,622
Conesville Stack 3	31,303
Conesville Stack 4	120,743
Conesville Stack CS056	129,130

TOTAL - SSI trigger for this hazardous substance release* : 380,798 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	5,243
Conesville Stack 3	1,648
Conesville Stack 4	6,355
Conesville Stack CS056	6,796

TOTAL - SSI trigger for this hazardous substance release* : 20,042 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	4,212
Conesville Stack 3	2,722
Conesville Stack 4	10,620
Conesville Stack CS056	12,819

TOTAL - SSI trigger for this hazardous substance release* : 30,373 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	430
Conesville Stack 3	278
Conesville Stack 4	1,084
Conesville Stack CS056	1,309

TOTAL - SSI trigger for this hazardous substance release* : 3,101 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	2,593
Conesville Stack 3	1,720
Conesville Stack 4	3,868
Conesville Stack CS056	3,381

TOTAL - SSI trigger for this hazardous substance release*: 11,562 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs. ~~kg or Ci~~)
Conesville Stack CS012	0.9
Conesville Stack 3	0.6
Conesville Stack 4	2.3
Conesville Stack CS056	2.2

TOTAL - SSI trigger for this hazardous substance release* : 6.0 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg or Ci~~)
Conesville Stack CS012	11.8
Conesville Stack 3	7.6
Conesville Stack 4	29.8
Conesville Stack CS056	36.0

TOTAL - SSI trigger for this hazardous substance release* : 85.2 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium arsenate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs. ~~kg, or Ci~~)
Conesville Stack CS012	5.2
Conesville Stack 3	3.4
Conesville Stack 4	13.5
Conesville Stack CS056	11.5

TOTAL - SSI trigger for this hazardous substance release* : 33.6 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., ~~kg, or Ci~~)
Conesville Stack CS012	8.9
Conesville Stack 3	7.6
Conesville Stack 4	17.8
Conesville Stack CS056	22.9

TOTAL - SSI trigger for this hazardous substance release* : 57.2 lbs.

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

NATIONAL RESPONSE CENTER (NRC)
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***

IRIS/NRC # 522820

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:09 on 13-MAR-00
Incident Type: CONTINUOUS
Incident Cause: OTHER Affected Area:
The incident was
discovered on
13-MAR-00 at 14:00
local time.

REPORTING PARTY

Name: GUY CERIMELE
Organization:
AMERICAN ELECTRIC
POWER Address: 1
RIVERSIDE PLAZA
COLUMBUS, OH 43215
AMERICAN ELECTRIC POWER called for the responsible party.
PRIMARY Phone:
(614)2231295
Type of Organization:
PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

Name: DAN LAMBER
Organization:
AMERICAN ELECTRIC
POWER Address: 47201
COUNTY ROAD 273
CONESVILLE, OH 45881
PRIMARY Phone: (740)8294101
Type of Organization: PUBLIC UTILITY

INCIDENT LOCATION

47201 COUNTY ROAD 273
County: COSHOCTON
CONESVILLE, OH

RELEASED MATERIAL(S)

SOURCE/CAUSE OF INCIDENT

THE CALLER IS REPORTING
AN INTIAL CONTINUOUS
RELEASE.

DAMAGES

REMEDIAL ACTIONS

NOTIFICATIONS BY NRC

ADDITIONAL INFORMATION

CHRIS Code: CCA
Official Material Name: CALCIUM ARSENATE
Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: HFA
Official Material Name: HYDROFLUORIC ACID
Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522820 ***

Report any problems or Fax number changes by calling 1-800-424-8802

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NATIONAL RESPONSE CENTER (NRC)
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IRIS/NRC # 522822

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:11 on 13-MAR-00
Incident Type: CONTINUOUS
Incident Cause: OTHER Affected Area:
The incident was
discovered on
13-MAR-00 at 14:00
local time.

REPORTING PARTY

Name: GUY CERIMELE
Organization:
AMERICAN ELECTRIC
POWER Address: 1
RIVERSIDE PLAZA
COLUMBUS, OH 43215
AMERICAN ELECTRIC POWER called for the responsible party.
PRIMARY Phone:
(614)2231295
Type of Organization:
PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

Name: DAN LAMBERT
Organization:
AMERICAN ELECTRIC
POWER Address: 47201
COUNTY ROAD 273
CONESVILLE, OH 45811
PRIMARY Phone: (740)8294101
Type of Organization: PUBLIC UTILITY

INCIDENT LOCATION

47201 COUNTY ROAD 273
County: COSHOCTON
CONESVILLE, OH

RELEASED MATERIAL(S)

SOURCE/CAUSE OF INCIDENT

THE CALLER IS REPORTING
AN INTIAL CONTINUOUS
RELEASE.

DAMAGES

REMEDIAL ACTIONS

NOTIFICATIONS BY NRC

ADDITIONAL INFORMATION

CHRIS Code: CCA
Official Material Name: CALCIUM ARSENATE

Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: HCL
Official Material Name: HYDROCHLORIC ACID
Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: HFA Official Material Name: HYDROFLUORIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: MCR Official Material Name: MERCURY

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: CYANIDES
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SLD Official Material Name: SELENIUM DIOXIDE

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522822 ***
Report any problems or Fax number changes by calling 1-800-424-8802

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NATIONAL RESPONSE CENTER (NRC)
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IRIS/NRC # 522823

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:14 on 13-MAR-00
Incident Type: CONTINUOUS
Incident Cause: OTHER Affected Area:
The incident was
discovered on
13-MAR-00 at 14:00
local time.

REPORTING PARTY

Name: GUY CERIMELE
Organization:
AMERICAN ELECTRIC
POWER Address: 1
RIVERSIDE PLAZA
COLUMBUS, OH 43215
AMERICAN ELECTRIC POWER called for the responsible party.
PRIMARY Phone:
(614)2231295
Type of Organization:
PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

Name: DAN LAMBERT
Organization:
AMERICAN ELECTRIC
POWER Address: 47201
COUNTY ROAD 273
CONESVILLE, OH 45811
PRIMARY Phone: (740)8294101
Type of Organization: PUBLIC UTILITY

INCIDENT LOCATION

47201 COUNTY ROAD 273
County: COSHOCTON
CONESVILLE, OH

RELEASED MATERIAL(S)

SOURCE/CAUSE OF INCIDENT

THE CALLER IS REPORTING
AN INITIAL CONTINUOUS
RELEASE.

DAMAGES

REMEDIAL ACTIONS

NOTIFICATIONS BY NRC

ADDITIONAL INFORMATION

CHRIS Code: CCA
Official Material Name: CALCIUM ARSENATE

Also Known As:
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: HCL
Official Material Name: HYDROCHLORIC ACID
Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: HFA Official Material Name: HYDROFLUORIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: MCR Official Material Name: MERCURY

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: CYANIDES
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE
Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID
Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SLD Official Material Name: SELENIUM DIOXIDE

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522823 ***

Report any problems or Fax number changes by calling 1-800-424-8802

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